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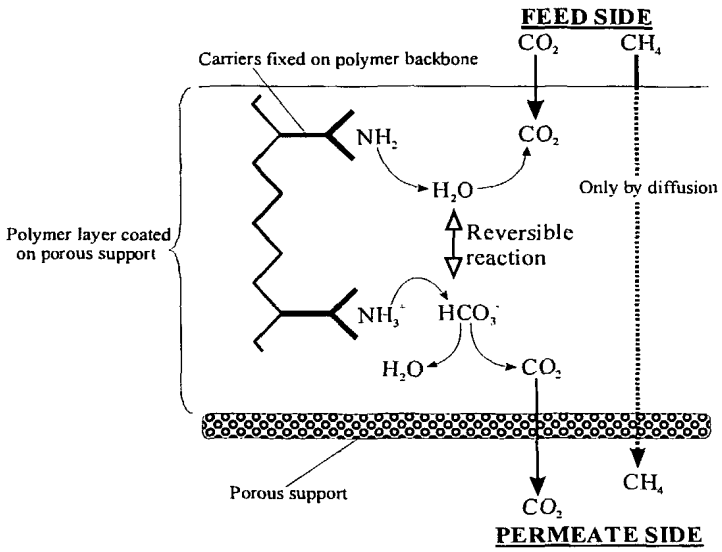
(54) Title: MEMBRANE FOR SEPARATING CO_2 AND PROCESS FOR THE PRODUCTION THEREOF



(57) Abstract: A fixed-site-membrane comprising a support structure coated with crosslinked polyvinylamine, wherein the crosslinking agent is a compound comprising a fluoride. The membrane comprises water, such as by being swelled in water vapour. A process for producing the membranes, and the use of such membranes for separation of carbon dioxide (CO_2) from gas mixtures are disclosed.

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